

# United States Patent [19]

Tucker et al.

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## [54] ROUTER TABLE FENCE SYSTEM

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[58] Field of Search ..... 409/218, 226; 269/303, 304, 315; 144/251.2, 252.1, 253.2, 253.1; 15/300.1, 301, 306.1

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### [57] — 5A ABSTRACT

A router table fence having three nesting aluminum extrusions or spars, two of which lie under a longer third spar. By positioning the inner ends of the two lower spars adjacent to a router cutter protruding through a router table, it is possible to provide a fence, particularly when the lower spars are used with wood facings or sub-fences, that can be adjusted to closely surround the cutter. Lateral movement of the fence assembly adjusts the amount of cutter that contacts a workpiece manipulated past the cutter while contacting the fence. The cross sectional shapes of the spars are identical and are generally square, with structure that permits the upper, longer spar to rest on top of, and be attached in a manner permitting it to slide against, the lower two spars. T-shaped slots in each face of the spars accept fasteners that connect the spars together and also accept fasteners for a variety of accessories, such as hold-down devices and shields. Fence locks attach the fence to a variety of router table tops without the need for fence-receiving structures separately attached to the router table or table top. A micro-adjust stop can be used in cooperation with the fence locks to make very accurate and predictable adjustments in the position of the fence on a router table top. By using a shim behind one of the sub-fences in order to position it parallel to, but slightly offset from, the other sub-fence, it is possible to joint a surface of a board using a "straight" cutter.

EA  
26 Claims, 6 Drawing Sheets

